ific and Technical Information Control

REQUEST Rev. 1/26/2006 This is an expe	FORIM Scientif	ve suggestions or comment	s to leff Herrison	Chtel - E1C2800
	Serial # DUTS			
Your Name	Cicas			, , , , , , , , , , , , , , , , , , , ,
AU 2802	Phone 200	15005/	Examiner #	73172
In what formet would are to	••		Room	430
In what format would you li	ne search request for	is the default. P/	PER) DI	SK EMAIL
If aubmitting more than or	and todays tol	m, piesse prioritize(ti	he searches in	order of need.
Where have you searched so Circle: USPT 1	o far on this case? DWPI EPO Abs	JPO Abs	IBM TDB	Week
What relevant art have you for	found so far? Please att	ach citations or Inform		e Statemento
				o statements.
What types of references wo Primary Refs	ould you like? Please ch	neckmark:		
~ · · · · · · · · · · · · · · · · · · ·	patent Literature	Teaching Refs	•	
1 0101	gir i atems	Other		
and meet certain criteria. The http://uspto-a-pattr-2/siraapps/				
What is the topic, such as esired focus of this search	the novelty, motivath? Please include to poss, structures, strate of the abstract and	ion, utility, or other the concepts, synon gies, and anything pertinent claims	r specific face	to deSuite at
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Use Only er: Michael Cliner er Phone: 577-272-263 er Location: STIC-EIC2800, JEF-4B68 earcher Picked Up: 457/66	the novelty, motivath? Please include tons, structures, strate of the abstract and the stract and the structure of the abstract and the structure of the struct	vendors STN	r specific face	to deSuite at
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1:44 Tue, 27 Jun 2006, 1:54:05 PM EST

Search Query Display



Recent	Search Queries	Results
<u>#1</u>	(((((internal* or intrinsinc*) <near 3="">(stress* or strain*)) <in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2001)</and></and></in></near>	894
<u>#2</u>	((((((internal* or intrinsinc*) <near 3="">(stress* or strain*)) and (whisker* growth))<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2001)</and></and></in></near>	0
#3	((((((internal* or intrinsinc*) <near 3="">(stress* or strain*)) and (whisker*))<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2001)</and></and></in></near>	0
<u>#4</u>	((((((internal* or intrinsinc*) <near 3="">(stress* or strain*)) and (tin or metal* or alloy*))<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2001)</and></and></in></near>	231
<u>#5</u>	((((((internal* or intrinsinc*) <near 3="">(stress* or strain*)) and (tin or metal* or alloy*) and (grain size))<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2001)</and></and></in></near>	10
<u>#6</u>	((((((internal* or intrinsinc*) <near 3="">(stress* or strain*)) and (tin or metal* or alloy*) and (grain size))<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2001)</and></and></in></near>	10

Tue, 27 Jun 2006, 2:16:51 PM EST

Search Query Display

Recent Search Queries

Results

#1 ((((whisker* growth))<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2001)

9

1:12

Page 1 of 1

09/887827

Results for search query

All = ("internal*" OR "intrinsic*") AND ("stress*" OR "strain*") AND ("metal*" OR "tin" OR "alloy*") AND ("whisker")

From Jan 1960 To Jun 2006

All = ("whisker*" AND "growth") AND ("tin*" OR "alloy*")

From Jan 1960 To Jun 2001

Research Disclosure - Search Results

1 Disclosures found

Results for search query

All = ("whisker*" AND "growth")

From Jan 1960 To Jun 2001

2 Disclosures found

6/27/2006 4:14:48 PM 6/27/2006 3:37:27 PM

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[File 2] INSPEC 1898-2006/Jan W2
[File 6] NTIS 1964-2006/Jan W4
[File 8] Ei Compendex(R) 1970-2006/Jan W4
[File 34] SciSearch(R) Cited Ref Sci 1990-2006/Jan W4
[File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
[File 35] Dissertation Abs Online 1861-2006/Jan
[File 65] Inside Conferences 1993-2006/Jan W5
[File 94] JICST-EPlus 1985-2006/Nov W3
[File 99] Wilson Appl. Sci & Tech Abs 1983-2006/Apr
[File 144] Pascal 1973-2006/Jan W2
[File 23] CSA Technology Research Database 1963-2006/Jan
[File 103] Energy SciTec 1974-2006/Jan Bl
[File 31] World Surface Coatings Abs 1976-2006/Jan
[File 95] TEME-Technology & Management 1989-2006/Jan W5
[File 68] Solid State & Superconductivity Abstracts 1966-2006/Jan
[File 60] ANTE: Abstracts in New Tech & Engineer 1966-2006/Jan
[File 293] Engineered Materials Abstracts 1966-2006/Jan
[File 239] Mathsci 1940-2005/Feb
[File 256] TECINFOSOURCE 82-2005/DEC
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Items Description
6149581 S (METAL????? OR SOLID OR HARD????? OR RIGID????) (3N) (COAT???? OR LAYER???? OR S1 FILM ??? OR FINISH ???? OR LAMINA ?????? OR OVERLAY????? OR OVER() LAYER ?????? OR SHEET ????) OR METAL?????

- 4405276 S (TENSILE OR DUCTILE OR STRETCH????? OR WORK????? OR MALLEABLE OR FLEX????) (3N) (STRESS????? OR STRAIN???? OR PRESSUR???????? OR STRENGTH??????) OR TENSILE OR STRESS???? OR STRAIN??????
- 8921626 S INTRINSIC???? OR BUILTIN OR BUILT() IN OR INBUILT OR IN() BUILT OR CONSTITUT?????? OR INHERENT??? OR INTEGRA????? OR UNDERLY???? OR UNDER()LY??? OR INTERNAL???? OR RESIDENT???? OR INCORPORAT???? OR INSIDE? ? OR (INTERNAL???? OR INTRINSIC)(2N)(STRESS???? OR STRAIN????)
- 16374913 S GRAIN????(3N)(THICK?????? OR SIZE? ? OR DIMENSION? ?) OR THICK?????? OR SIZE? ? OR DIMENSION????? OR RANGE? ? OR PROPORTION????? OR RATIO? ?
- 22755 S UNDERLAYER????? OR UNDERCOAT???? OR UNDERPLAT???? OR UNDERCOVER???? OR UNDER()(LAYER???? OR COAT??? OR PLAT??? OR FINISH???? OR COVER????)
- 2883410 S WHISKER???? OR FILAMENT? ? OR HAIR???? OR HAIRLIKE OR HAIR()LIKE OR STRAND? ? OR FIBER? ? OR FIBRE? ? OR FRAGMENT?????
- 5470571 S NICKEL OR NI OR NICKEL(2N)ALLOY???? OR COBALT OR CO OR COBALT(2N)ALLOY???? OR IRON OR FE OR IRON(2N)ALLOY??? OR TIN OR SN OR TIN(2N)ALLOY????
- 2552 S (INHIBIT????? OR PREVENT?????? OR STOP???? OR SUPPRES?????? OR ATTENUAT????? OR ELIMINAT????? OR MINIMI????????? OR DECREAS?????? OR REDUC?????? OR LOWER???? OR HINDER??????? OR QUENCH????) (3N) WHISKER???????

```
S S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7
S9
            2 RD (unique items)
S10
                S S1 AND S2 AND S3 AND S4 AND S5 AND S7 AND S8
S11
            4
               RD (unique items)
S12
               S S2 AND S3 AND S4 AND S6 AND S7
         1745
S13
                S S13 AND S8
S14
          17
                RD (unique items)
S15
           14
                S S15 AND PY<=2001
S16
               S TIN(5N)(STRESS?????? OR STRAIN????)
         4709
S17
                S S17 AND S8
S18
           26
               S S18 AND S3
S19
           10
               RD (unique items)
S20
               S S20 AND PY<=2001
S (INTERNAL???? OR INTRINSIC?????) (3N) (STRESS????? OR STRAIN????)
            2
S21
       121473
S22
           51
               S S22 AND S8
S23
               S S23 AND S2
           51
S24
```

6/27/2006 4:14:48 PM 6/27/2006 3:37:27 PM

\$25	1	S S24 AND S5
S26	22	S S24 AND S1
S27	17	RD (unique items)
528	11	S S27 AND PY<=2001
S29	0	S S12 NOT S10
530	7	S S16 NOT (S10 OR S12)
S31	2	S S21 NOT (S10 OR S12 OR S16)
S32	1	S S25 NOT (S10 OR S12 OR S16 OR S21)
S33	7	S S28 NOT (S10 OR S12 OR S16 OR S21 OR S25)

6/27/2006 4:40:44 PM 6/27/2006 5:00:39 PM

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[File 344] Chinese Patents Abs Jan 1985-2006/Jan
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- [File 347] JAPIO Nov 1976-2005/Sep(Updated 060103)
- [File 350] Derwent WPIX 1963-2006/UD,UM &UP=200607
- [File 371] French Patents 1961-2002/BOPI 200209

Set

- Items Description
 2639870 S (METAL????? OR SOLID OR HARD????? OR RIGID????) (3N) (COAT???? OR LAYER???? OR FILM??? OR FINISH???? OR LAMINA????? OR OVERLAY????? OR OVER()LAYER????? OR SHEET????) OR METAL ??????
- 504666 S (TENSILE OR DUCTILE OR STRETCH????? OR WORK????? OR MALLEABLE OR FLEX?????) (3N) (STRESS????? OR STRAIN???? OR PRESSUR????????? OR STRENGTH??????) OR TENSILE OR STRESS???? OR STRAIN?????
- 4081146 S INTRINSIC???? OR BUILTIN OR BUILT() IN OR INBUILT OR IN() BUILT OR CONSTITUT?????? OR INHERENT??? OR INTEGRA????? OR UNDERLY???? OR UNDER()LY??? OR INTERNAL???? OR RESIDENT???? OR INCORPORAT???? OR INSIDE? ? OR (INTERNAL???? OR INTRINSIC)(2N)(STRESS???? OR STRAIN????)
- 4070670 S GRAIN????(3N)(THICK?????? OR SIZE? ? OR DIMENSION? ?) OR THICK?????? OR SIZE? ? OR DIMENSION????? OR RANGE? ? OR PROPORTION????? OR RATIO? ?
- 28643 S UNDERLAYER????? OR UNDERCOAT???? OR UNDERPLAT???? OR UNDERCOVER???? OR UNDER()(LAYER???? OR COAT??? OR PLAT??? OR FINISH???? OR COVER????)
- 1256678 S WHISKER???? OR FILAMENT? ? OR HAIR???? OR HAIRLIKE OR HAIR()LIKE OR STRAND? ? OR FIBER? ? OR FIBRE? ? OR FRAGMENT?????
- 1337403 S NICKEL OR NI OR NICKEL(2N)ALLOY???? OR COBALT OR CO OR COBALT(2N)ALLOY???? OR IRON OR FE OR IRON(2N)ALLOY??? OR TIN OR SN OR TIN(2N)ALLOY????
- 24695 S IC=(H01L-023/495 OR B32B-015/01 OR C25D-003/12 OR C25D-003/30 OR C25D-003/56 OR C25D-003/60 OR C25D-005/10 OR C25D-005/12 OR C25D-005/34 OR C25D-007/00)
- 26991 S MC=(U11-D03A1A OR V04-D01 OR U11-C05C6 OR U11-D03B3)
- 3 S S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 S10
- S (INHIBIT????? OR PREVENT?????? OR STOP???? OR SUPPRES?????? OR ATTENUAT????? OR 721 S11 ELIMINAT????? OR MINIMI????????? OR DECREAS?????? OR REDUC?????? OR LOWER???? OR HINDER??????? OR QUENCH????) (3N) WHISKER???????
- S S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S11 S12
- S S2 AND S3 AND S4 AND S5 AND S11 S13 1
- S TIN(3N) (STRESS???? OR STRAIN?????) 77 S14
- S S14 AND S8 S15
- S S14 AND S9 **S16** 6
- S17 S S14 AND S11
- S S14 AND S5 S18 1 819 S S12 NOT S10
- S S13 NOT (S10 OR S12) S20
- S S15 NOT (S10 OR S12 OR S13) S21
- S S16 NOT (S10 OR S12 OR S13 OR S15) S22 S S17 NOT (S10 OR S12 OR S13 OR S15 OR S16) S23
- 1 S S18 NOT (S10 OR S12 OR S13 OR S15 OR S16 OR S17) **S24**

12:30 p. m.

Search query: ((coat* or layer* or tin or alloy*) w/3 metal) and ((internal or intrinsic) w/3 (stress* or

strain*))

Language: English
Published 6-22-2001

Before:

Search query: (internal stress*) and (metal* or tin or alloy*)

Language: English

Published Before: 6-22-2001 (Original publication date)

Search query: (internal stress*) and (whisker* or hair* or strand* or fiber*)

Language: English

(USPTO) IP.com Prior Art Database

Published Before: 6-22-2001 (Original publication date)

(FILE 'HOME' ENTERED AT 14:37:06 ON 27 JUN 2006)

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FILE 'CAPLUS' ENTERED AT 14:37:23 ON 27 JUN 2006
             29551 SEA ABB=ON PLU=ON (INTERNAL##### OR INTRINSIC##### OR
L1
                     INHERENT####### OR INSIDE OR WITHIN) (3A) (STRESS####### OR
                     STRAIN###### OR TENSILE)
          3088840 SEA ABB=ON PLU=ON METAL###### OR ALLOY###### OR TIN OR SN 1010260 SEA ABB=ON PLU=ON WHISKER#### OR FILAMENT###### OR FIBRE OR
L2
. L3
                    FIBER OR HAIR####### OR HAIR LIKE OR STRAND####### OR
                    MICROFIBER OR MICROFIBRE
               492 SEA ABB=ON PLU=ON L1 AND L2 AND L3
21 SEA ABB=ON PLU=ON L4 AND (GRAIN(3A)(SIZE OR THICKNESS######
L4
L5
                    OR DIMENSION#######))
                 20 SEA ABB=ON PLU=ON L5 AND PY<=2001
L6
                 20 DUP REM L6 (0 DUPLICATES REMOVED)
L7
          3377411 SEA ABB=ON PLU=ON COAT###### OR FILM##### OR LAYER########
L8
                    OR COVER####### OR COVER(W) LAYER OR OVERLAY#########
                 20 SEA L7
L9
                  6 SEA ABB=ON PLU=ON L9 AND L8
L10
                     D L10 1-6 IBIB ABS
                 14 SEA ABB=ON PLU=ON L9 NOT L10
L11
                     D L11 IBIB ABS 1-14
               469 SEA ABB=ON PLU=ON L1(3A)L3
84 SEA ABB=ON PLU=ON L12 AND L8
2 SEA ABB=ON PLU=ON L13 AND L5
L12
L13
L14
                     D L14 IBIB ABS 1-2
       FILE 'CAPLUS' ENTERED AT 15:09:39 ON 27 JUN 2006
              1424 SEA ABB=ON PLU=ON TIN(5A) (STRESS OR STRAIN)
144 SEA ABB=ON PLU=ON L15 AND L3
49 SEA ABB=ON PLU=ON L16 AND L8
L15
L16
L17
                 49 DUP REM L17 (0 DUPLICATES REMOVED)
L18
                 49 SEA L18
L19
                26 SEA ABB=ON PLU=ON L19 AND PY<=2001
0 SEA ABB=ON PLU=ON L20 AND L5
26 SEA ABB=ON PLU=ON L20 NOT (L9 OR L14)
L20
L21
L22
                    D L22 IBIB ABS 1-26
FILE 'STNGUIDE' ENTERED AT 15:13:34 ON 27 JUN 2006
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